

U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Killarney Place Mercury Spill - Removal Polrep
 Initial and Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region IV

Subject: POLREP #1
 Initial and Final
 Killarney Place Mercury Spill

 Charlotte, NC
 Latitude: 35.3207360 Longitude: -80.7078301

To:

From: Kenneth Rhame, OSC

Date: 3/18/2011

Reporting Period: 3/17/2011-3/18/2011

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: CERCLA	Response Type: Emergency
Response Lead: EPA	Incident Category:
NPL Status: Non NPL	Operable Unit:
Mobilization Date: 3/18/2011	Start Date: 3/18/2011
Demob Date: 3/18/2011	Completion Date: 3/18/2011
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:
FPN#:	Reimbursable Account #:

1.1.1 Incident Category

Emergency Removal Action

1.1.2 Site Description

Detached single family residence.

1.1.2.1 Location

2113 Killarney Place, Charlotte, NC

1.1.2.2 Description of Threat

Toxicity by inhalation, ingestion.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The homeowner accidentally washed and dried a thermostat bulb of mercury. Remnants of the bulb was discovered while the resident was folding clothes. The drier was not properly vented to the outside of the home, but to a crawlspace located on the second floor. One of the residents is pregnant.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Toxicity by inhalation, ingestion.

2.1.2 Response Actions to Date

Charlotte Fire Department notified OSC Rhame of a potential mercury release at 2113 Killarney Place, Charlotte, NC on 3/17/2011. A resident accidentally washed and dried a thermostat bulb containing a small amount of mercury. The resident noticed the broken bulb while folding clothes. She notified her husband who called Charlotte Fire Department. The residents put the clothes back into the contaminated drier, opened all windows and set up several fans to ventilate the house. Fire Department responders noticed that the drier was not properly vented to the exterior of the home; instead it vented to a crawlspace on the second floor of the home. The residents also duct taped the drier, and two doors to the crawlspace. One of the residents is pregnant. The residents left the home and stayed with friends for the night.

On 3/18/2011 EPA and START arrived on site at 1030 with Charlotte Fire Department and Charlotte HAZMAT. EPA obtained a signed Access Agreement and Notice of Federal Interest from one of the homeowners. EPA and START screened the laundry area with a Lumex Mercury Vapor Analyzer. Mercury concentrations in the breathing zone were .1 ug/m³ with windows open and 66 degrees F temperature. START observed concentrations of 8 ug/m³ at the base of the drier and 0 ug/m³ in the washer. EPA and Charlotte Fire Department wrapped the drier in a tarp and removed it from the home. All the windows in the home were closed and the home was heated to 70 degrees. START screened the rest of the home and the crawlspace with the Lumex and did not observe any mercury vapor. After sealing the home and allowing the temperature to reach 70 degrees START observed mercury concentrations of .1 ug/m³ in the center of the living area located adjacent to the laundry closet and concentrations of .2 ug/m³ on the floor of the laundry closet where the drier had been located. The drier will be disposed of as household hazardous exempt waste by the residents.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

No further action is anticipated on the site.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

2.6 Liaison Officer

2.7 Information Officer

2.7.1 Public Information Officer

2.7.2 Community Involvement Coordinator

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

Charlotte Fire Department

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

